

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM112621\
 Data File : BM033276.D
 Acq On : 26 Nov 2021 21:52
 Operator : CG/JU
 Sample : M4815-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-5

Quant Time: Nov 26 23:25:33 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM112421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 24 15:16:33 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

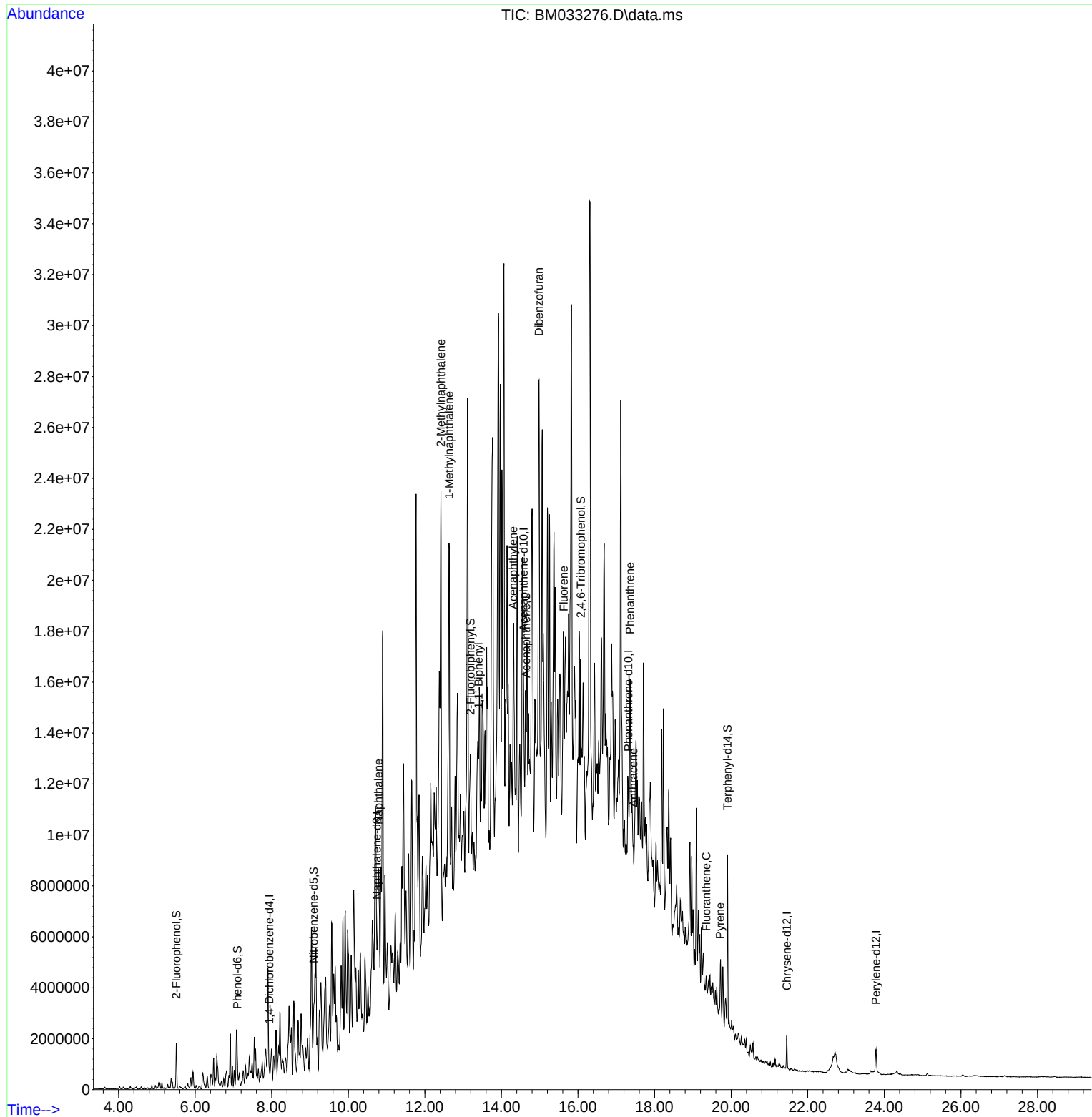
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.937	152	128124	20.000	ng	0.00
21) Naphthalene-d8	10.742	136	508348	20.000	ng	# 0.00
39) Acenaphthene-d10	14.577	164	372032	20.000	ng	0.02
64) Phenanthrene-d10	17.313	188	589112	20.000	ng	# 0.02
76) Chrysene-d12	21.453	240	587584	20.000	ng	0.00
86) Perylene-d12	23.783	264	595803	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.513	112	542410	69.911	ng	0.00
7) Phenol-d6	7.101	99	451969	43.496	ng	0.00
23) Nitrobenzene-d5	9.095	82	1235159	112.797	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	416851	102.787	ng	0.03
45) 2-Fluorobiphenyl	13.195	172	2144066	81.277	ng	0.01
79) Terphenyl-d14	19.907	244	2761879	92.945	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.789	128	1665767	62.120	ng	# 88
37) 2-Methylnaphthalene	12.419	142	10273609	562.752	ng	98
38) 1-Methylnaphthalene	12.631	142	6970133	391.341	ng	98
46) 1,1'-Biphenyl	13.407	154	490717	17.543	ng	96
49) Acenaphthylene	14.307	152	418317	12.532	ng	# 1
52) Acenaphthene	14.642	154	732302	35.702	ng	# 92
55) Dibenzofuran	14.977	168	739728	21.688	ng	# 1
58) Fluorene	15.624	166	1290262	48.311	ng	# 90
71) Phenanthrene	17.360	178	3786525	116.933	ng	# 96
72) Anthracene	17.448	178	259429	8.305	ng	# 78
75) Fluoranthene	19.348	202	132692	3.566	ng	57
78) Pyrene	19.712	202	451376	11.670	ng	# 84

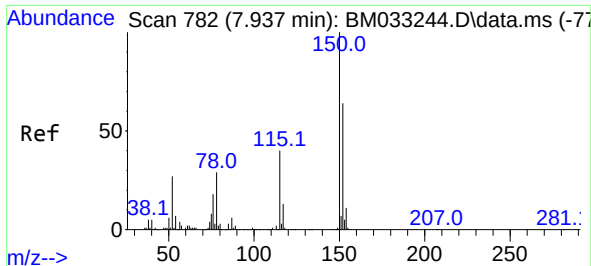
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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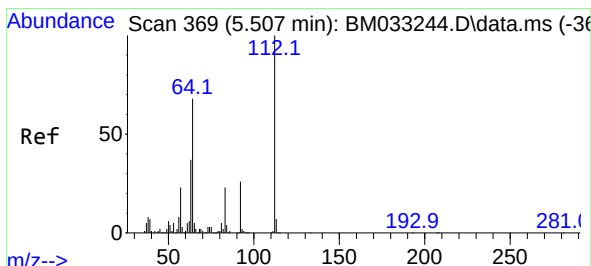
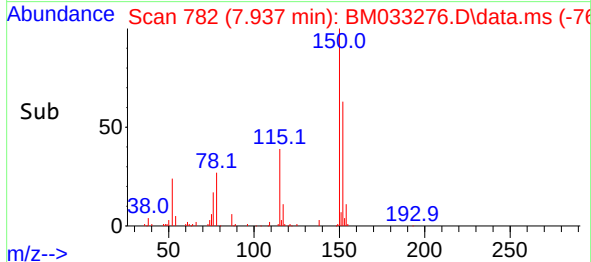
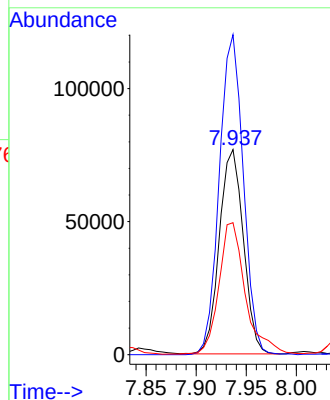
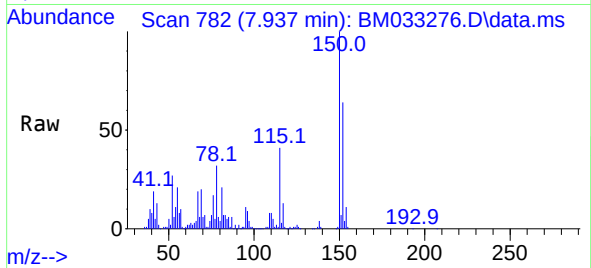




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 71
Delta R.T. -0.000 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

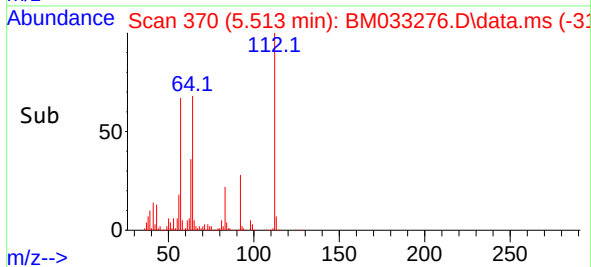
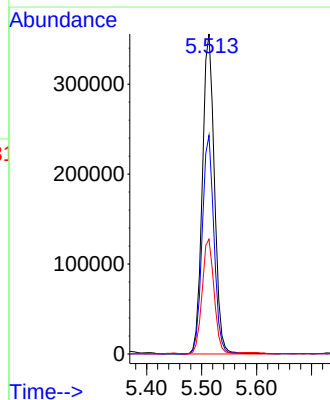
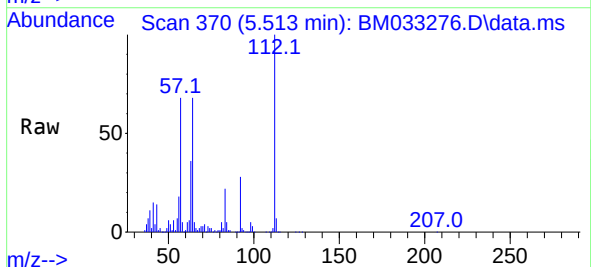
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BNA_M
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MW-5

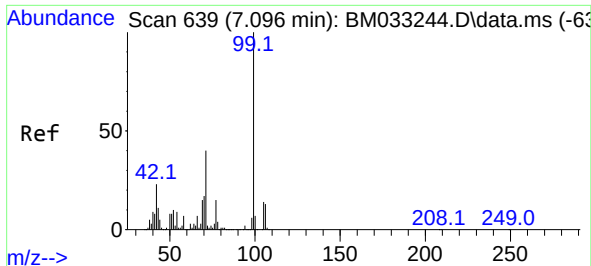
Tgt Ion:152 Resp: 128124
Ion Ratio Lower Upper
152 100
150 156.0 122.4 183.6
115 64.4 53.8 80.8



#5
2-Fluorophenol
Concen: 69.911 ng
RT: 5.513 min Scan# 370
Delta R.T. 0.006 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

Tgt Ion:112 Resp: 542410
Ion Ratio Lower Upper
112 100
64 68.3 53.7 80.5
63 35.9 33.9 50.9

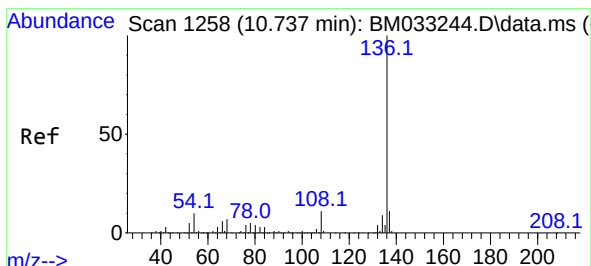
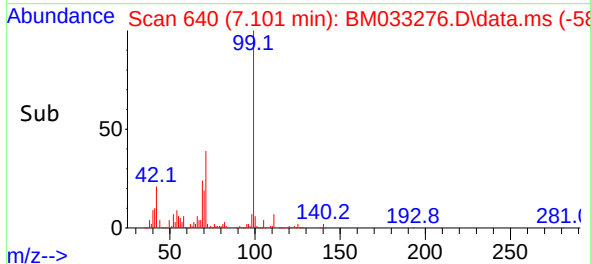
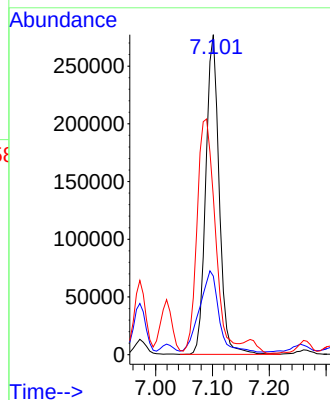
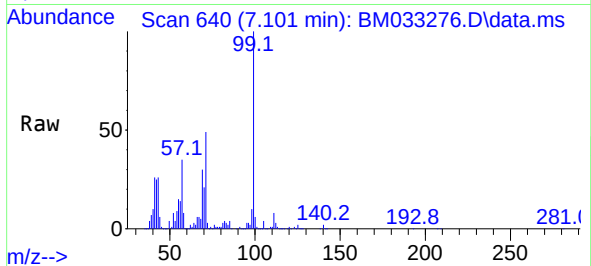




#7
Phenol-d6
Concen: 43.496 ng
RT: 7.101 min Scan# 64
Delta R.T. 0.006 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

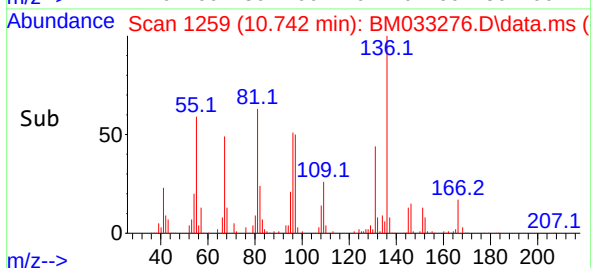
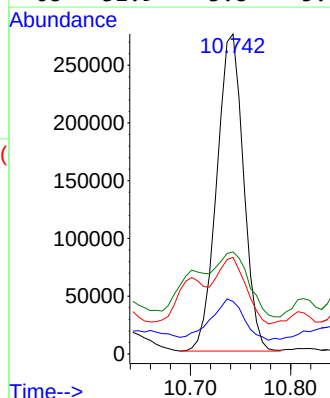
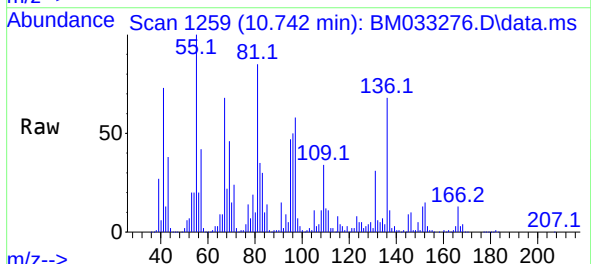
Instrument :
BNA_M
ClientSampleId :
MW-5

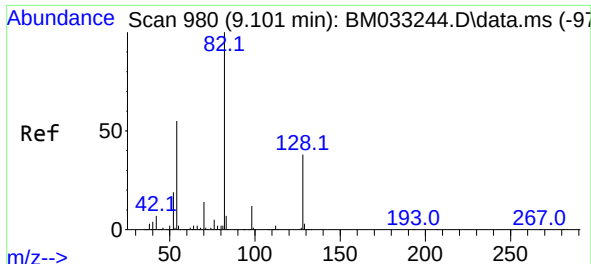
Tgt Ion: 99 Resp: 451969
Ion Ratio Lower Upper
99 100
42 24.6 23.0 34.6
71 49.4 37.8 56.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.742 min Scan# 1259
Delta R.T. 0.005 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

Tgt Ion: 136 Resp: 508348
Ion Ratio Lower Upper
136 100
137 16.4 8.7 13.1#
54 30.2 7.4 11.0#
68 31.9 3.8 5.8#





#23

Nitrobenzene-d5

Concen: 112.797 ng

RT: 9.095 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM033276.D

Acq: 26 Nov 2021 21:52

Instrument :

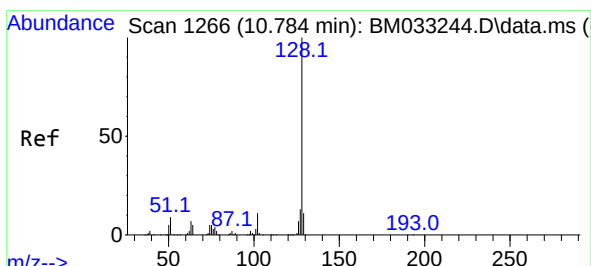
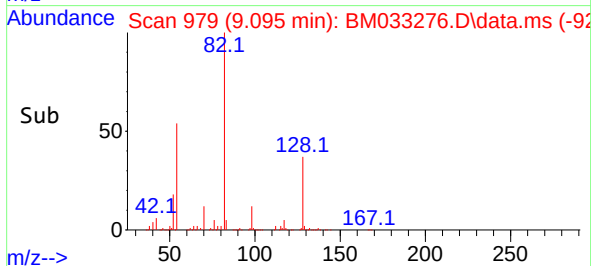
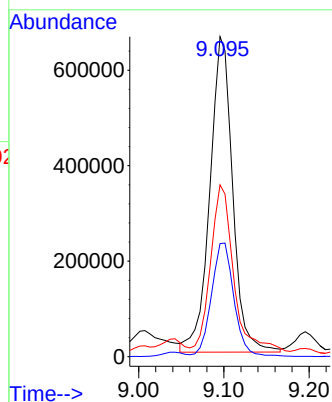
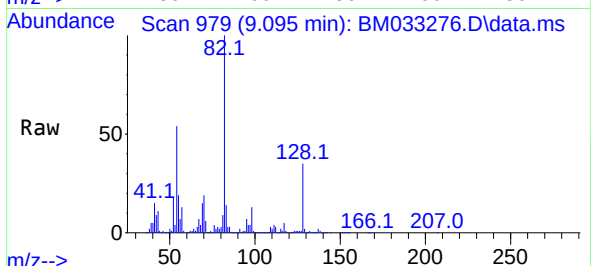
BNA_M

ClientSampleId :

MW-5

Tgt Ion: 82 Resp: 1235159

Ion	Ratio	Lower	Upper
82	100		
128	35.3	29.0	43.6
54	53.7	45.8	68.8



#31

Naphthalene

Concen: 62.120 ng

RT: 10.789 min Scan# 1267

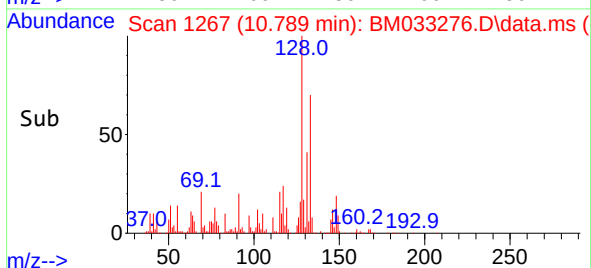
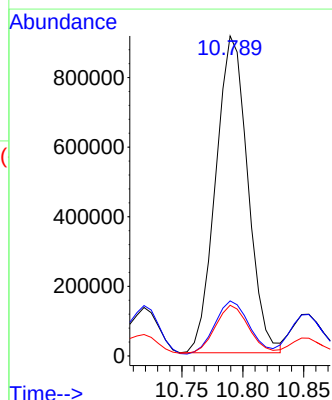
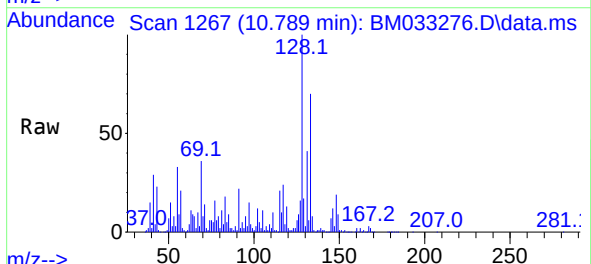
Delta R.T. 0.006 min

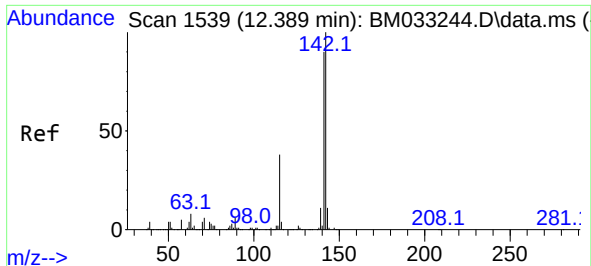
Lab File: BM033276.D

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Tgt Ion: 128 Resp: 1665767

Ion	Ratio	Lower	Upper
128	100		
129	17.2	8.6	13.0#
127	15.8	10.4	15.6#





#37

2-Methylnaphthalene

Concen: 562.752 ng

RT: 12.419 min Scan# 1

Delta R.T. 0.029 min

Lab File: BM033276.D

Acq: 26 Nov 2021 21:52

Instrument :

BNA_M

ClientSampleId :

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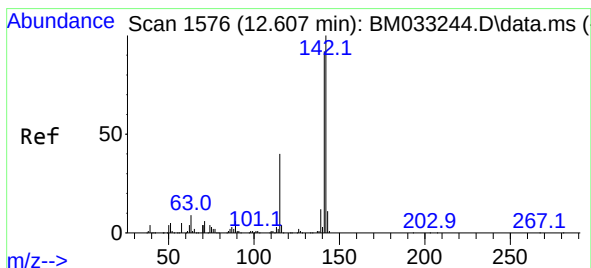
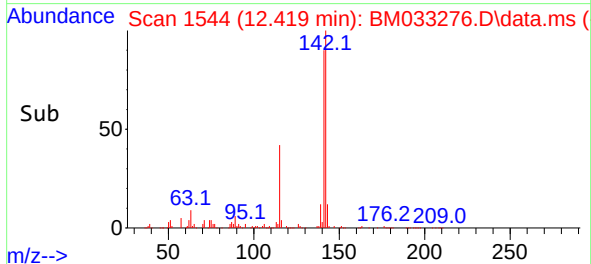
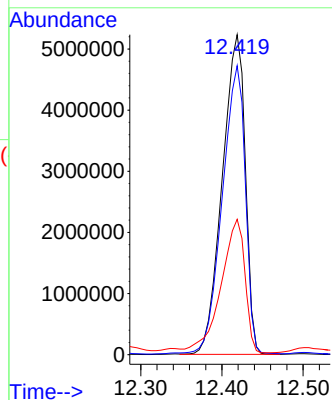
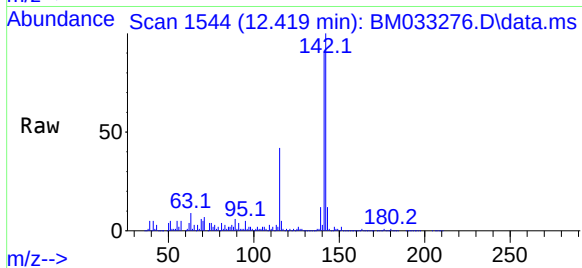
Tgt Ion:142 Resp:10273609

Ion Ratio Lower Upper

142 100

141 90.3 71.8 107.6

115 42.3 36.3 54.5



#38

1-Methylnaphthalene

Concen: 391.341 ng

RT: 12.631 min Scan# 1580

Delta R.T. 0.024 min

Lab File: BM033276.D

Acq: 26 Nov 2021 21:52

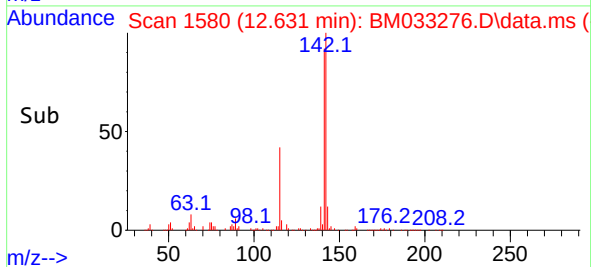
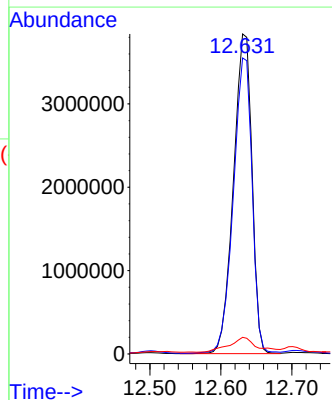
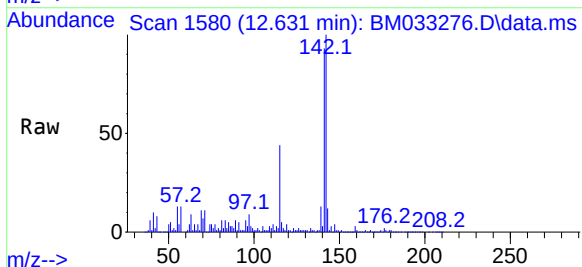
Tgt Ion:142 Resp: 6970133

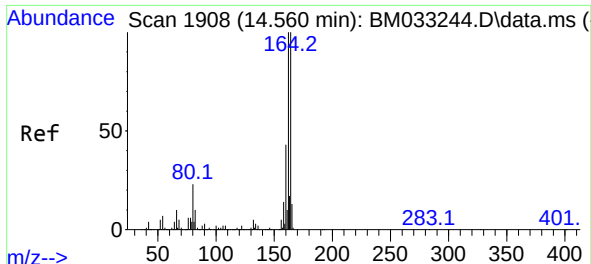
Ion Ratio Lower Upper

142 100

141 92.5 75.6 113.4

116 5.2 4.0 6.0

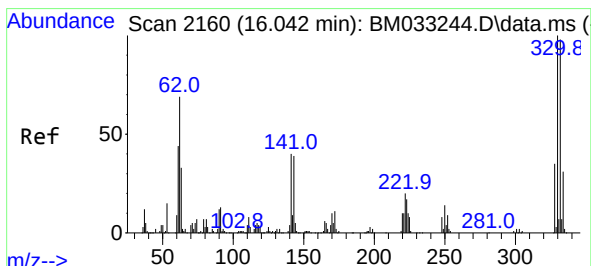
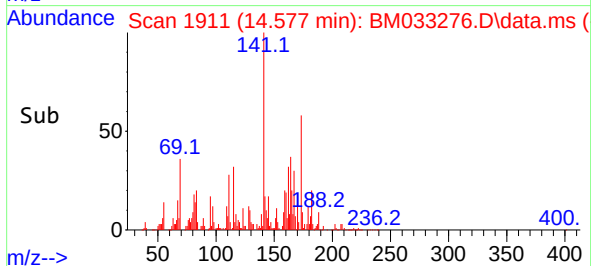
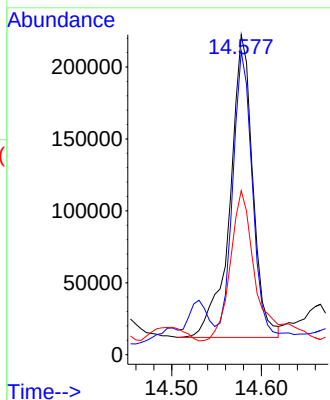
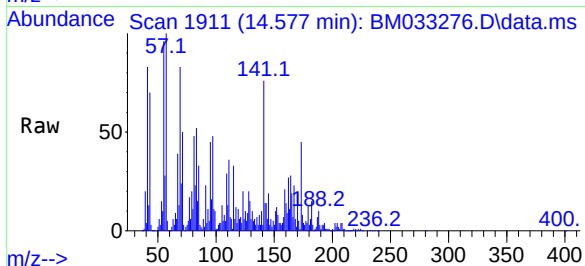




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1911
Delta R.T. 0.018 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

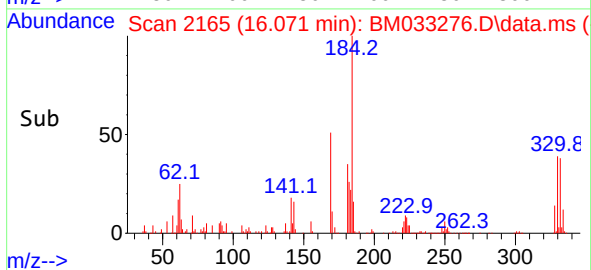
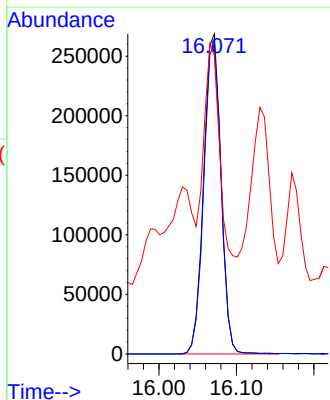
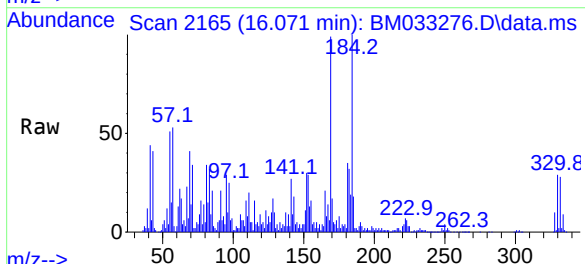
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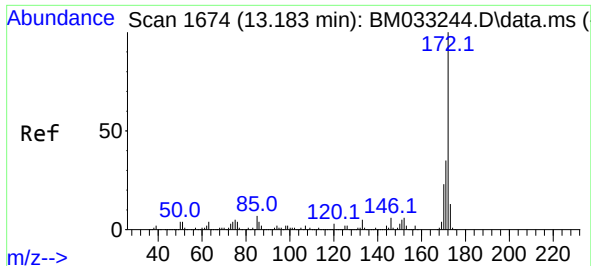
Tgt Ion:164 Resp: 372032
Ion Ratio Lower Upper
164 100
162 94.7 80.6 121.0
160 51.3 35.1 52.7



#42
2,4,6-Tribromophenol
Concen: 102.787 ng
RT: 16.071 min Scan# 2165
Delta R.T. 0.029 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

Tgt Ion:330 Resp: 416851
Ion Ratio Lower Upper
330 100
332 96.7 75.7 113.5
141 56.4 50.7 76.1

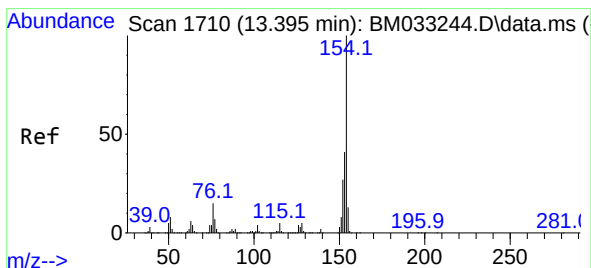
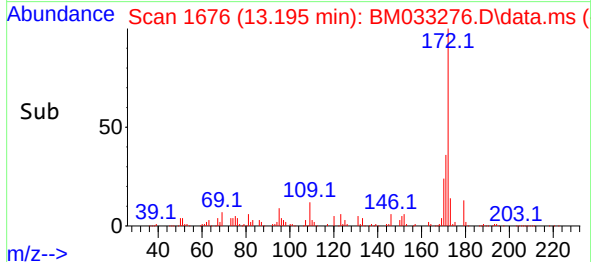
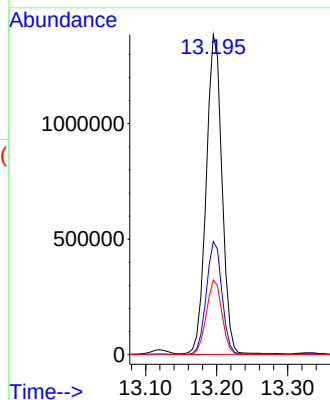
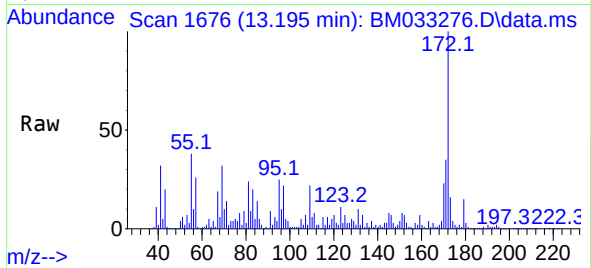




#45
2-Fluorobiphenyl
Concen: 81.277 ng
RT: 13.195 min Scan# 1
Delta R.T. 0.012 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

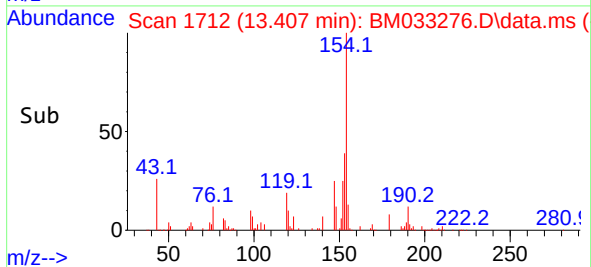
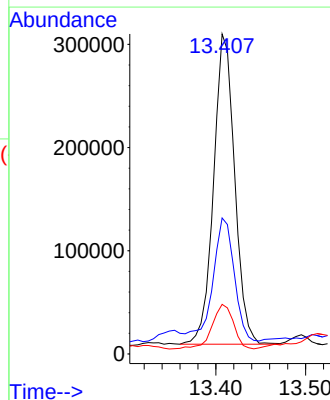
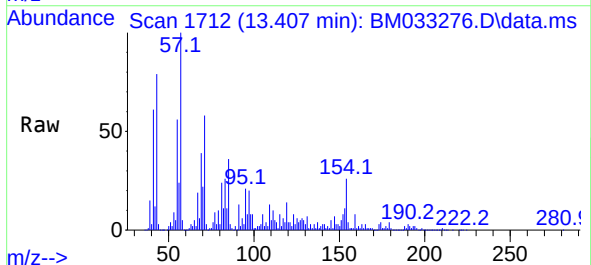
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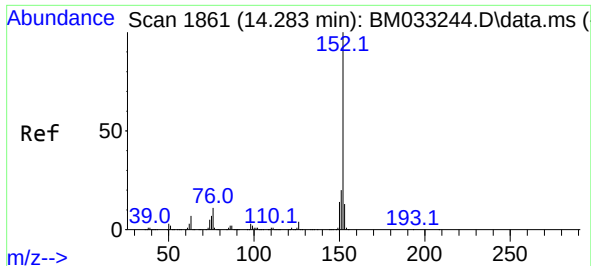
Tgt Ion:172 Resp: 2144066
Ion Ratio Lower Upper
172 100
171 35.4 28.1 42.1
170 23.4 18.6 27.8



#46
1,1'-Biphenyl
Concen: 17.543 ng
RT: 13.407 min Scan# 1712
Delta R.T. 0.012 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

Tgt Ion:154 Resp: 490717
Ion Ratio Lower Upper
154 100
153 42.5 20.3 60.3
76 15.5 0.0 33.5

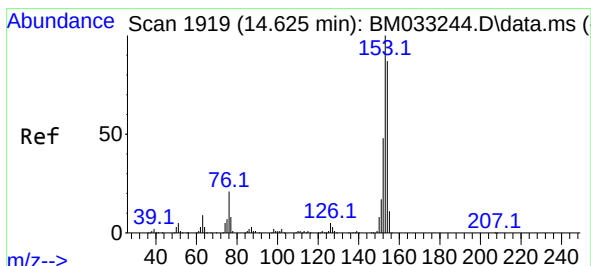
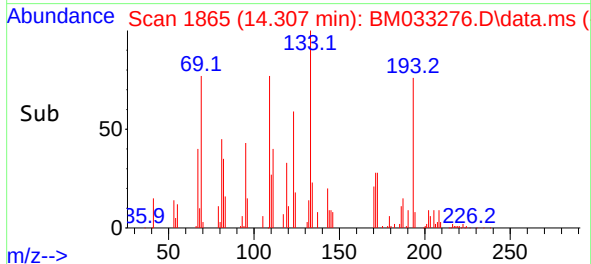
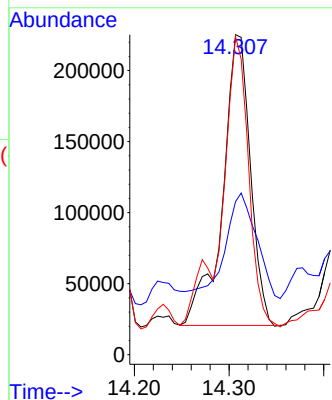
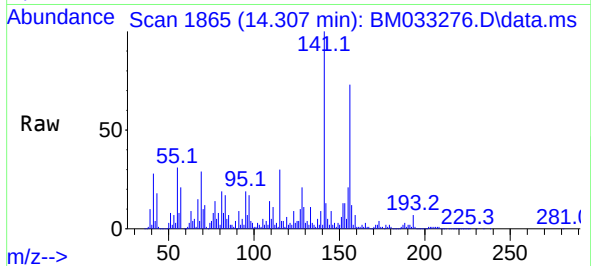




#49
Acenaphthylene
Concen: 12.532 ng
RT: 14.307 min Scan# 11
Delta R.T. 0.024 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

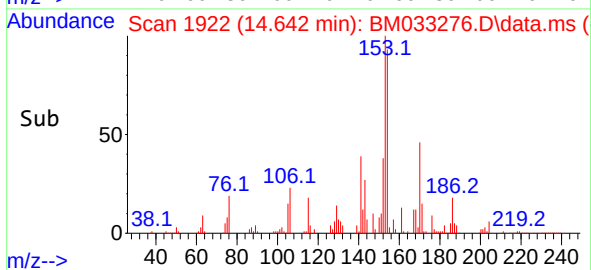
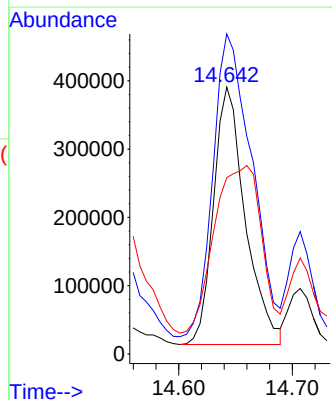
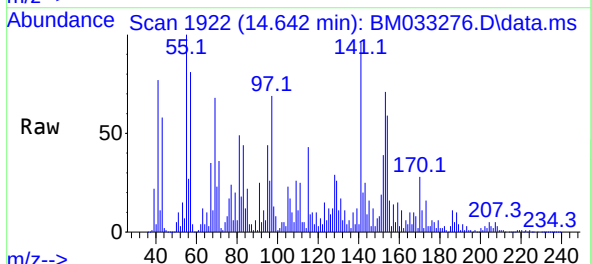
Instrument :
BNA_M
ClientSampleId :
MW-5

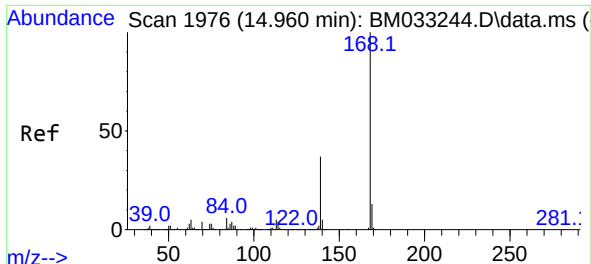
Tgt Ion:152 Resp: 418317
Ion Ratio Lower Upper
152 100
151 47.8 15.7 23.5#
153 99.4 10.6 15.8#



#52
Acenaphthene
Concen: 35.702 ng
RT: 14.642 min Scan# 1922
Delta R.T. 0.018 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

Tgt Ion:154 Resp: 732302
Ion Ratio Lower Upper
154 100
153 119.9 92.4 138.6
152 66.1 43.7 65.5#

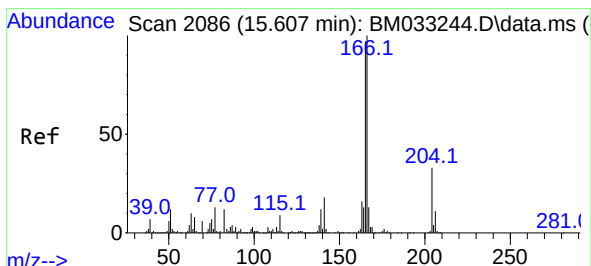
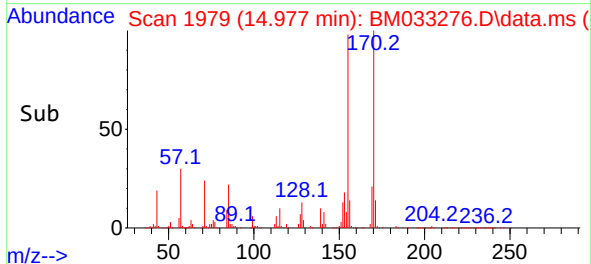
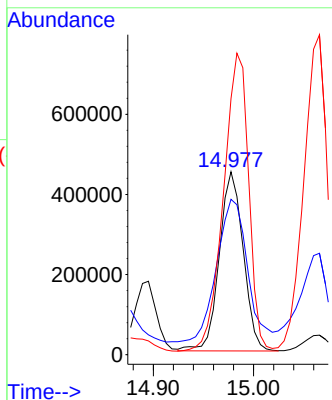
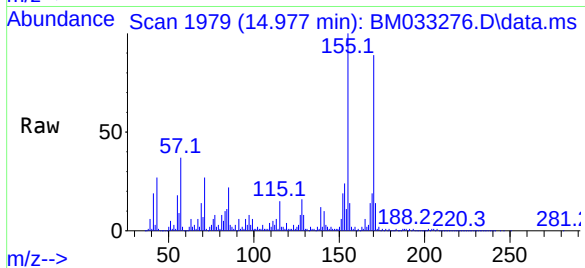




#55
Dibenzofuran
Concen: 21.688 ng
RT: 14.977 min Scan# 1979
Delta R.T. 0.018 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

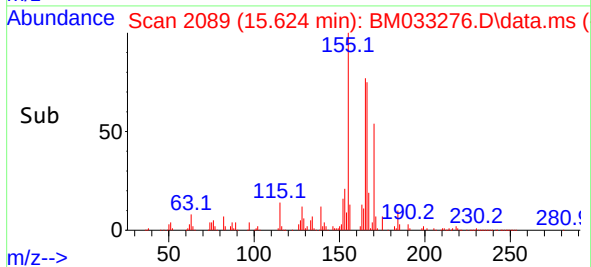
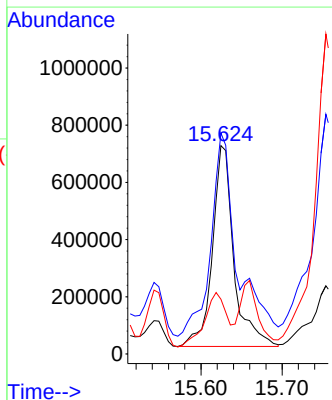
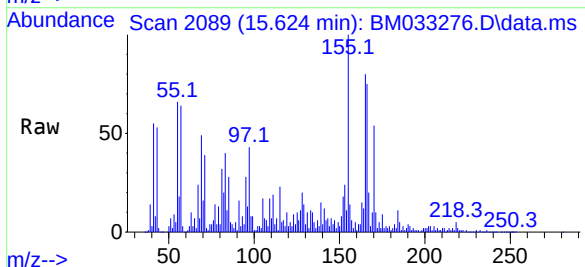
Instrument :
BNA_M
ClientSampleId :
MW-5

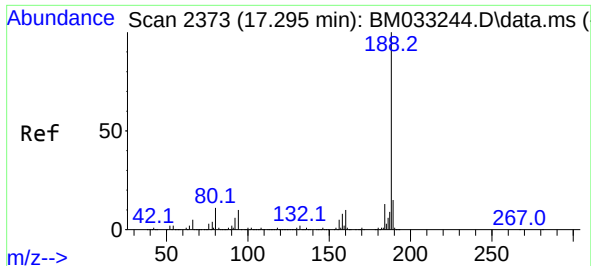
Tgt Ion:168 Resp: 739728
Ion Ratio Lower Upper
168 100
139 84.9 35.0 52.4#
169 140.0 10.8 16.2#



#58
Fluorene
Concen: 48.311 ng
RT: 15.624 min Scan# 2089
Delta R.T. 0.018 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

Tgt Ion:166 Resp: 1290262
Ion Ratio Lower Upper
166 100
165 106.1 79.3 118.9
167 26.3 10.6 16.0#

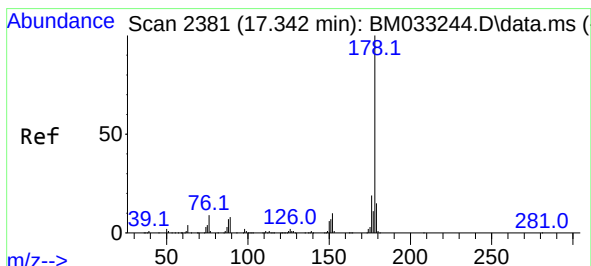
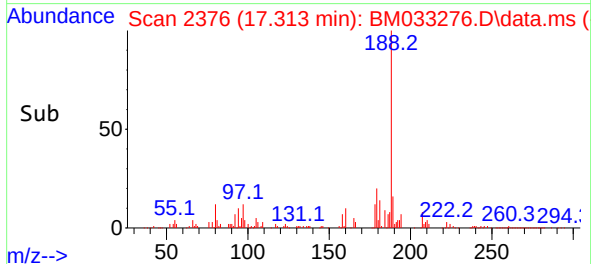
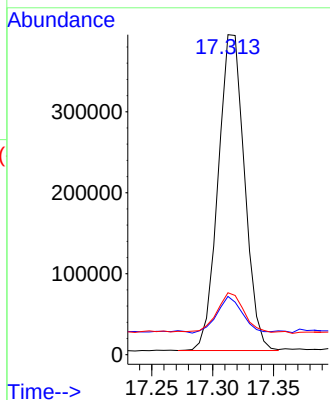
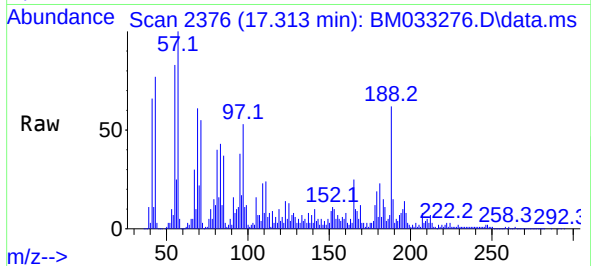




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.313 min Scan# 21
Delta R.T. 0.018 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

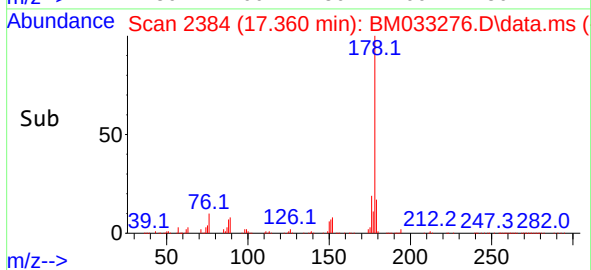
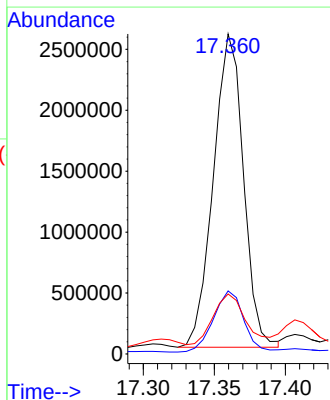
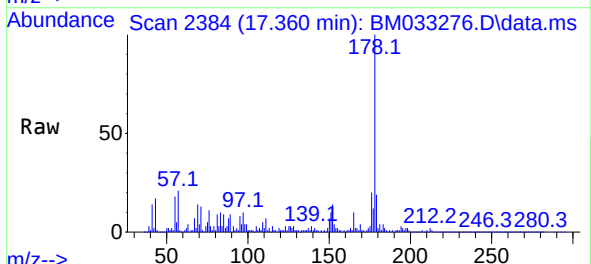
Instrument :
BNA_M
ClientSampleId :
MW-5

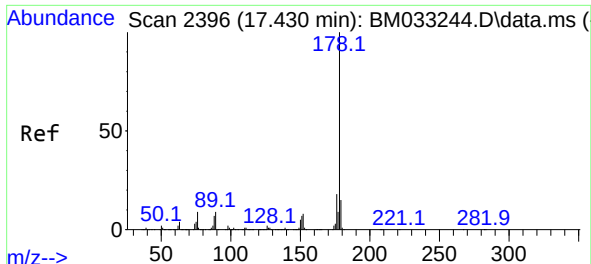
Tgt Ion:188 Resp: 589112
Ion Ratio Lower Upper
188 100
94 18.2 6.3 9.5#
80 19.4 7.3 10.9#



#71
Phenanthrene
Concen: 116.933 ng
RT: 17.360 min Scan# 2384
Delta R.T. 0.018 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

Tgt Ion:178 Resp: 3786525
Ion Ratio Lower Upper
178 100
176 19.7 15.6 23.4
179 18.8 12.4 18.6#

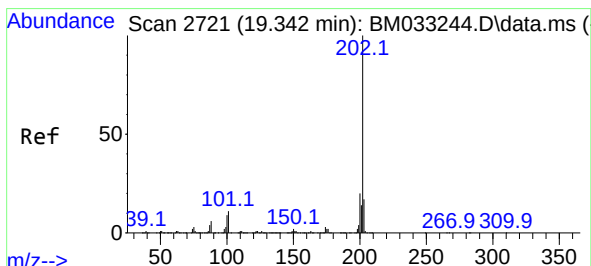
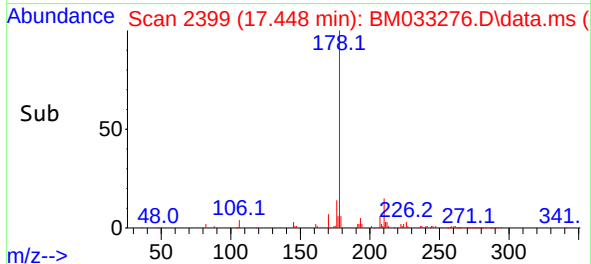
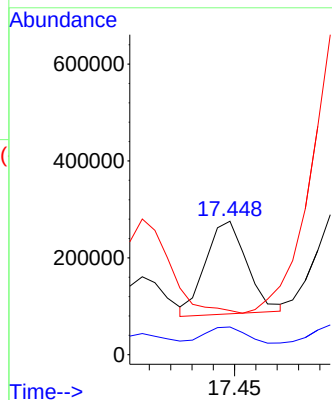
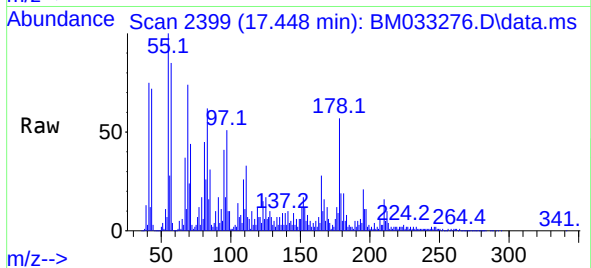




#72
 Anthracene
 Concen: 8.305 ng
 RT: 17.448 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: BM033276.D
 Acq: 26 Nov 2021 21:52

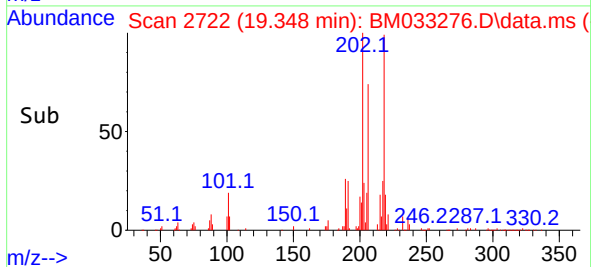
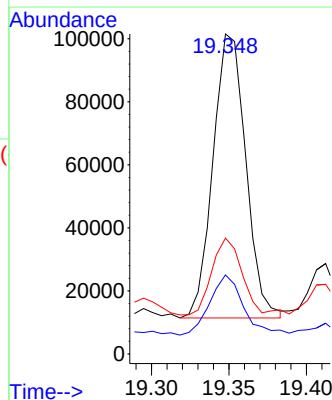
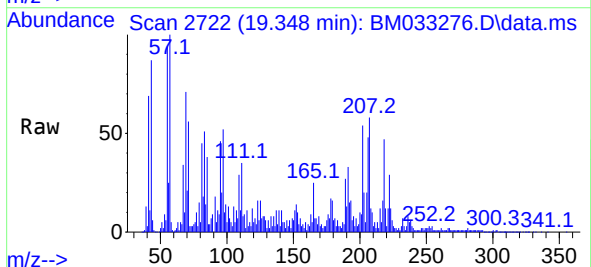
Instrument :
 BNA_M
 ClientSampleId :
 MW-5

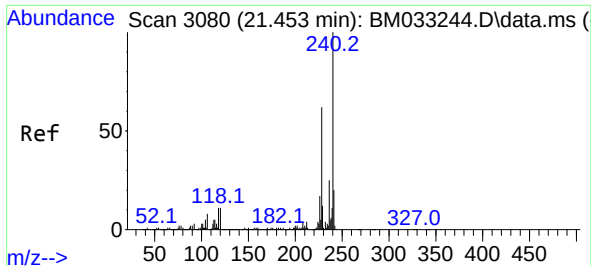
Tgt Ion:178 Resp: 259429
 Ion Ratio Lower Upper
 178 100
 176 20.7 14.8 22.2
 179 33.0 12.3 18.5#



#75
 Fluoranthene
 Concen: 3.566 ng
 RT: 19.348 min Scan# 2722
 Delta R.T. 0.006 min
 Lab File: BM033276.D
 Acq: 26 Nov 2021 21:52

Tgt Ion:202 Resp: 132692
 Ion Ratio Lower Upper
 202 100
 101 24.7 0.0 29.9
 203 36.2 0.0 36.8

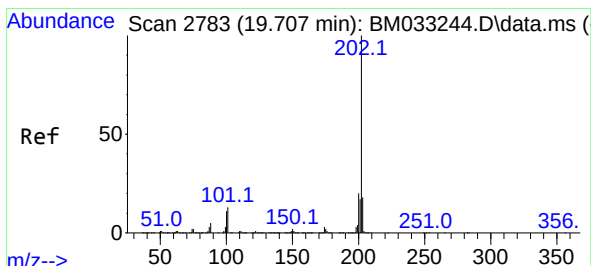
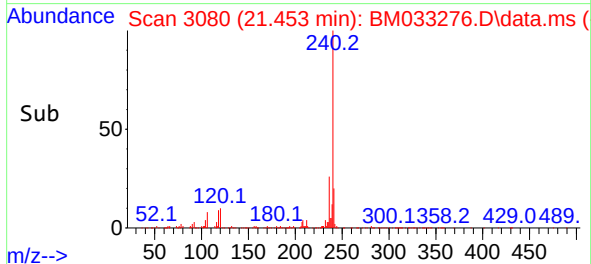
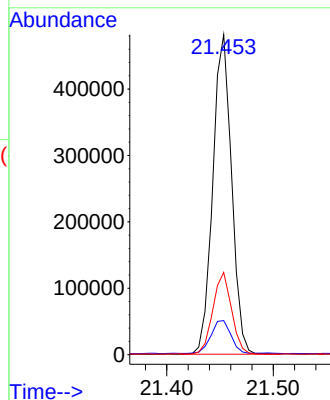
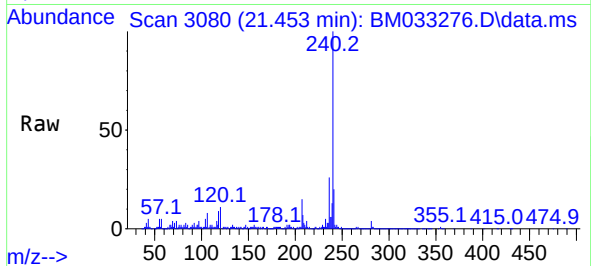




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.453 min Scan# 3080
Delta R.T. 0.000 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

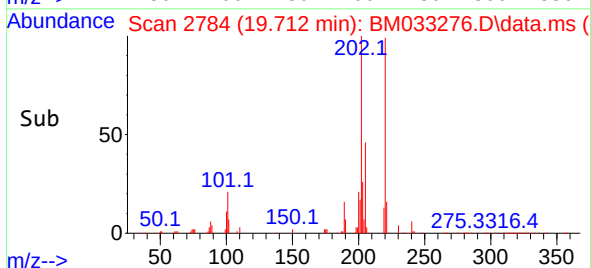
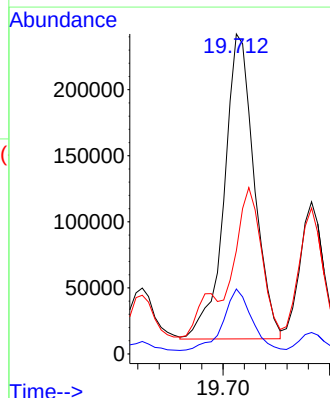
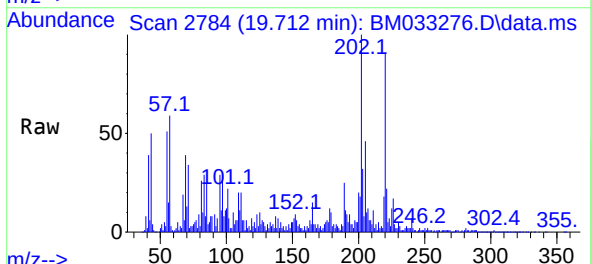
Instrument :
BNA_M
ClientSampleId :
MW-5

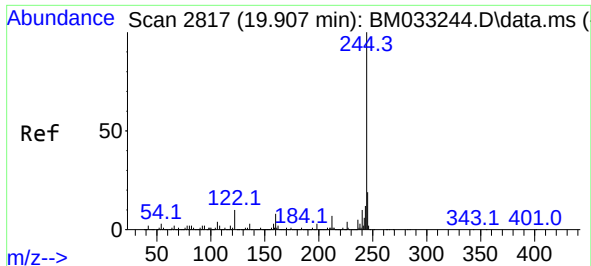
Tgt Ion:240 Resp: 587584
Ion Ratio Lower Upper
240 100
120 10.7 7.8 11.6
236 25.7 20.9 31.3



#78
Pyrene
Concen: 11.670 ng
RT: 19.712 min Scan# 2784
Delta R.T. 0.006 min
Lab File: BM033276.D
Acq: 26 Nov 2021 21:52

Tgt Ion:202 Resp: 451376
Ion Ratio Lower Upper
202 100
200 20.3 16.6 25.0
203 32.2 13.7 20.5#



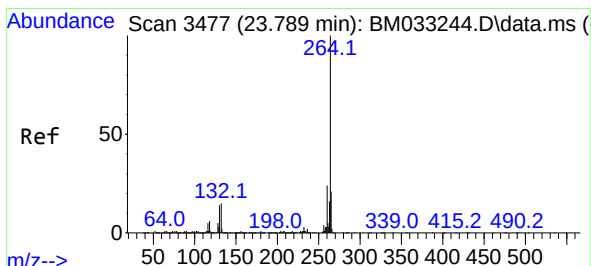
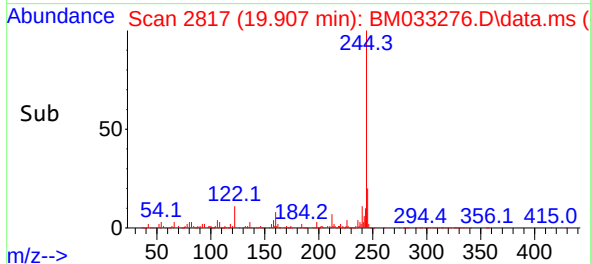
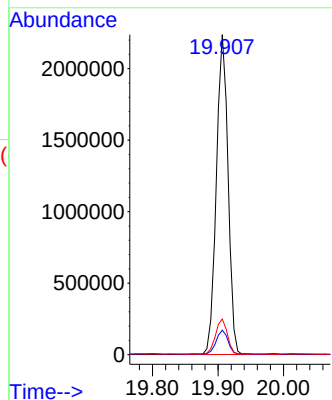
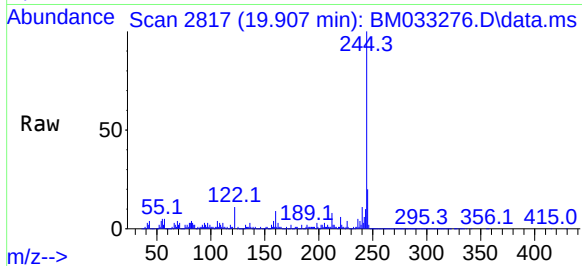


#79
 Terphenyl-d14
 Concen: 92.945 ng
 RT: 19.907 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM033276.D
 Acq: 26 Nov 2021 21:52

Instrument :
 BNA_M
 ClientSampleId :
 MW-5

Tgt Ion:244 Resp: 2761879

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	11.2	8.7	13.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.783 min Scan# 3476
 Delta R.T. -0.006 min
 Lab File: BM033276.D
 Acq: 26 Nov 2021 21:52

Tgt Ion:264 Resp: 595803

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.3	28.9
265	22.4	18.3	27.5

